

## ABSTRACT OF THE DISCLOSURE

This invention provides a solenoid operated mechanical mechanism for controlling the rotation of a gear. The invention features the use of a first linear element which moves in response to an electrical current to cause the rotation of a cam which, in turn, causes the movement of a second linear element which controls the rotation of a gear. The invention is particularly useful for controlling the opening and closing movements of a handcuff whose operating elements are comprised of a swing arm and at least one gear having teeth which engage the teeth of the swing arm.